

CLAIMS

1. A small-size motor including a metallic case of a bottomed hollow cylindrical shape fitted with magnets on the inner peripheral surface thereof, a case cover made of synthetic resin mounted so as to close an opening of said case, and
5 a rotor fitted with a laminated core, windings wound on said laminated core, and a commutator on a shaft,

wherein said case cover supports a pair of brush units each of which includes a brush arm fitted with a brush and
10 a brush base fixed and connected to said brush arm, and

wherein said case cover is formed with three voids to contain three electric elements, a first electric element is fixed mechanically between said paired brush units in a first void and is connected electrically, and the remaining
15 two second and third electric elements are located on both sides of said first electric element and are pressed on said brush base in the motor shaft direction by a body earth terminal in second and third voids, so that said body earth terminal is fixed to said case cover and said two electric elements
20 are fixed mechanically and connected electrically.

2. The small-size motor according to claim 1, wherein said first electric element is fixed mechanically between fixing portions of said brush arm and said brush base of each of said paired brush units via a metallic spring and is connected
25 electrically.

3. The small-size motor according to claim 1, wherein one electrode of each of said second and third electric elements

is mounted on the side face of a brush base end portion, and the other electrode thereof is pressed by said body earth terminal.

4. The small-size motor according to claim 1, wherein each of said second and third electric elements is fixed by being held between said brush base end portion and an element pressing portion of said body earth terminal.

5. The small-size motor according to claim 1, wherein said body earth terminal which is formed by being stamped out of a metal plate and being bent, includes an element pressing portion for pressing said electric element, a body earth portion, and a holding portion, and is installed so as to cover a case cover fitting portion fitted to said case in such a manner that said case cover fitting portion is held by said body earth portion from the outside and by said holding portion from the inside.

6. The small-size motor according to claim 1, wherein all of said first to third electric elements are chip capacitors.